

# CallChat ZERO Manual

CallChat ZERO is a Matrix-compatible sovereign messenger for callchat.org.

The public front door and active homeserver are callchat.org.

The reserved matrix.callchat.org API hostname is not needed for normal login today.

Users can start with the hosted CallChat web client, Element apps, or the branded /chat/ product surface.

The homepage includes the CallChat launch short: New Tech CallChat, Are you ready? #callchat.

Standard Matrix-compatible secure messaging remains free.

Hosted callchat.org accounts include the automatic Shield showcase for protected vault workflows.

This PDF contains public product guidance and does not expose protected Shield source or private server material.

# CallChat Web Login

The CallChat web shell gives the product its own front door: invite request, room preview, Shield file preview, and Zero Bot controls.

The branded product surface is `/chat/`.

The live web client is `/element/`, configured with homeserver `callchat.org` for login, rooms, files, and calls.

The invite request path keeps access controlled while users can see how account entry works.

# Connect With Element

Open the hosted CallChat web client or install Element from official app stores, desktop downloads, or the official Element website.

During sign-in or registration, choose a custom homeserver.

Use callchat.org as the custom homeserver.

Use callchat.org today; matrix.callchat.org is reserved for a later DNS/proxy step.

Controlled access keeps early rooms cleaner and reduces spam.

Voice/video calls are available with active CallChat accounts and the configured TURN relay.

CallChat does not own Element branding. Element compatibility is a bridge for users while CallChat's own app path grows.

# CallChat Shield And ZMath

CallChat Shield is the ZMath layer for protected files, attachments, and vault notes.

On [callchat.org](https://callchat.org), Shield is included as the hosted showcase for active accounts.

The hosted flow is automatic: users do not manually create extra Shield passwords or pattern images for normal protected-file actions.

Other servers need a paid ZMath license to enable the proprietary Shield policy layer.

ZMath / Zero Boundary Algebra is the private CallChat research layer for Shield behaviour and policy design.

Shield wraps that research around standard cryptographic primitives, authenticated containers, local Shield material, and reviewed access controls.

The `.zme1` container is encrypted locally before upload, so plaintext is not uploaded by default.

Portable or export modes may require explicit recovery material because offline portability has different tradeoffs.

Exclusive mode may require a live policy check for entitlement, expiry, or revocation.

Element users can download `.zme1` files, but premium Shield decryption requires compatible CallChat tooling.

CallChat uses serious language around PQC-ready research and post-quantum envelope experiments.

# Q-Calls And IonQ Research

CallChat Q-Calls keep live calling on Matrix and Element WebRTC, DTLS-SRTP, device identity, and the configured TURN relay.

The Q-Call layer adds CallChat Shield policy, PQC-ready planning, call setup evidence, and optional server-side IonQ research hooks.

IonQ usage belongs on the server side only. Public JavaScript must never contain IonQ API keys, Matrix signing keys, TURN shared secrets, Shield material, or private ZMath source.

CallChat does not claim that live audio packets are quantum encrypted today.

The honest product language is: Matrix/WebRTC secure calls today, plus a serious PQC-ready and quantum-assisted research path.

Users can read the public Q-Calls page at </quantum-calls/> and test normal calls through the hosted CallChat web client or Element apps.

# Zero Bot AI Assistant

Zero Bot is the optional assistant path for @zero:callchat.org.

The first live bot room is #zero-bot-lab:callchat.org.

The live lab room can answer normal greetings and product questions, not only command syntax.

The assistant is designed for consent-based room help and clear AI-generated output.

Useful commands include !zero help, !zero callchat, !zero openzero, !zero frontend, !zero voice, !zero rules, !zero status, and !zero explain-shield.

OpenZero is the preferred local brain. Local command-triggered speech is available through !zero voice.

Possible future backends include a self-hosted endpoint, ZeroThink API, and selected external research APIs with clear admin configuration and consent.

# Pricing And Licensing

Standard Matrix-compatible secure messaging remains free.

Hosted callchat.org Shield showcase access is included for active hosted accounts.

External individual ZMath / Shield pricing is USD \$5 per month.

Business pricing is USD \$55 per month for up to 10 users.

Self-hosted ZMath license pricing is USD \$55 per month for unlimited users on one licensed deployment.

The licensing payment route is [paypal@talktoai.org](mailto:paypal@talktoai.org).

The public pricing page is </pricing/> with PayPal and license request links.

Access is activated after payment confirmation.

# Admin Launch Safety

CallChat operations include backups, rollback, TLS checks, moderation, data retention, incident response, abuse routing, and support paths.

Synapse server\_name is callchat.org.

The live service serves the Matrix client API through <https://callchat.org/>.

The reserved matrix.callchat.org API hostname can be activated later without changing the public login advice.

Controlled access reduces spam during launch.

Postgres remains private to the server.

# Self-Hosted Direction

CallChat-compatible self-hosted deployments can use Matrix-compatible infrastructure.

The self-hosted ZMath license keeps premium source protected.

Self-hosted operators protect credentials, keep servers patched, maintain backups, and avoid false marketing claims.

Premium ZMath source is not republished or copied into public browser JavaScript.

Self-hosted licensing enables use of the Shield layer; it does not transfer ownership of private ZMath source.

# Privacy And Support

Support never asks for raw Shield secrets, pattern material, private keys, Matrix recovery phrases, or Shield source details.

Zero Bot is designed around explicit user consent.

Shield users keep recovery limits in mind: if all required local state and recovery material is lost, file recovery may not be possible.

Abuse reporting collects only the needed details: Matrix ID, room ID, message links, timestamps, and a short explanation.

Urgent threats belong with appropriate emergency or legal channels.

# Quick FAQ

Can I use Element? Yes. Use the hosted browser client or official Element clients with a custom homeserver.

Can I use calls? Yes. Calls work with active CallChat accounts and the configured TURN relay.

Is the CallChat APK available? The download page publishes verified app links when available.

Is Shield required? No. Standard Matrix-compatible secure messaging remains free, and hosted Shield is included on callchat.org as the showcase.

Can admins recover Shield files? Not by default if all required local state and recovery material is lost.

Does CallChat use extra subdomains? The public service works through callchat.org today; matrix.callchat.org is reserved for a later technical API hostname.

Does the bot run admin commands? Bot output is designed as guidance, not destructive execution.